

Friday April 18, 2025 7pm

License Testing 5:30pm

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THIS MONTH...

POTA, Project Tou-CANS

Presented by Hamilton Carter, KD0FNR

KD0FNR shows us what happens when a tiny amateur radio HF QRP transceiver and a tiny HF amplifier are installed inside an empty pineapple can and put in a shopping bag at the feedpoint of an HF dipole antenna... putting the "portable" in both the radio and antenna.



More information at:

<https://qrper.com/2023/12/field-radio-kit-gallery-kd0fnrs-rockmite-20-and-tuna-topper>

Our in-person meeting will also be held virtually, via the Zoom video system. The meeting access ID and password will be distributed via groups.io email announcement.





We have many accomplished and experienced club members. After all, we are an ARRL Special Service Club! The club is looking for amateur radio or communications topics that you or someone you know could present at a future club meeting.

An alternative might be several short presentations on different topics made by multiple persons.

Please direct your suggestions to info@mdarc.org.

Your contribution is vital for the continued success of MDARC. We are eager to hear from you!

ALL MEMBERS ARE INVITED TO JOIN THE FREE CLUB E-MAIL GROUP AT:

<https://groups.io/g/MDARC>

Mount Diablo Amateur Radio Club W6CX
P.O. Box 23222 Pleasant Hill, CA 94523
(925) 288-1730 info@mdarc.org

The Carrier is a monthly publication of the Mount Diablo Amateur Radio Club (MDARC). It is the policy of the editor to publish all material submitted by the membership provided such material is in good taste, relevant to amateur radio and of interest to MDARC members, and provided space is available.

President - Larry Bradley, KK6QPE
Vice President - Michael Papp, WB6GJE
Secretary - Brian Lotter, KM6NGS
Treasurer - Barbara Whysong, K6WHY
Emergency Coordinator - Larry Loomer, KI6LNB

Directors At Large
 Trevor Hall, WA6JAU Cal Vasquez, K6VT
 Mark Fehlig WA6NGC Mike Warren, W6MEW

Membership Chair - Jan Kulisek, KM6NFC
mdarcmembership@mdarc.org

PACIFICON 2024

Chair: Julie Mah, WJ8MAH
Registration: Jim Marchetti, KD7G
Treasurer: Barbara Whysong, K6WHY
Secretary: Jeff Mah, N8MAH

COMMITTEE CHAIRS AND COORDINATORS

Annual Auction - **vacant**
Communications Trailer - Mike Warren, W6MEW
Communications Van MDARC-1 - Jim Tittle, K6SOE
Digital Media - Grant Bowman, K6CBK
Education & Training - **vacant**
Field Day - Larry Loomer, KI6LNB
Good & Welfare - Diana Sage, KA6TZU
Holiday Dinner - Misa Siemons, KJ6BUE
License Testing - Larry Loomer, KI6LNB
Outreach - Dick Wade, WM6G
Programs - Michael Papp, WB6GJE
Public Service - Larry Loomer, KI6LNB
Radio Equipment Lending - Cal Vasquez, K6VT
Refreshments - Elizabeth Styles, KG6HLV
Scholarship - Janice Fujii, KG6VTD
Technical Committee - Jim Tittle, K6SOE
Volunteer Classes - Dick Wade, WM6G
W6CX Repeater Trustee - Jim Tittle, K6SOE
W6LGW Callsign Trustee - Larry Loomer, KI6LNB

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President's Message



MDARC Family,

Did you know the MDARC budgets \$700 each year for the Contra Costa County Science and Engineering Fair-Bay Area LEEDS? A portion of these funds are awarded to students whose projects we believe are directly or indirectly related to amateur radio. This is MDARC's way of encouraging and supporting students who may one day in the

future be on the forefront of new technologies that not only benefit society as a whole, but amateur radio in particular. Let's hope so!

Judge Schedule | March 14, 2025

7:00-8:30 a.m.	Judge Briefing
8:30-8:45 a.m.	Judge Huddle with Chief Judges
9:00-11:00	Poster Board Review (Breaks as Needed)
11:00-Noon-	Lunch & Category Scoring Discussion—Chief Judges Facilitate
12:00-2:00 p.m.	Student Interviews (Breaks as Needed)
2:00-3:00 p.m.	Category Scoring Discussion—Chief Judges Facilitate
3:00 p.m.	Judges Released for the Day



You can get more information from this website:
<https://ba-leeds.org/science-fair/>

MDARC provides judges under the Special Judges category. This year, three MDARC members served as Special Judges: Larry Loomer, KI6LNB; Janice Fuji, KG6VTD; LarryB KK6QPE.

What do we do? In the morning while the students are not present, each of us looks at all the projects, then we come together to decide which of these projects are possible candidates for a MDARC monetary award. Later in the afternoon, we interview students from our list of possible candidates. We ask the students about their

project, what they learned, possible applications, and what could be the next step. This is followed by us having to decide which projects/students will receive an award. This is the time when we discuss how the projects fit into our guiding criteria: does this project relate strongly enough to amateur radio? Some projects end up being winners, and others, not so much. This latter group are not losers, but rather just don't meet our requirements.

This year, we narrowed it down to three award recipients and Janice Fuji, KG6VTD presented the awards to these students.

Piezoelectric Energy Generation Through Walking \$200 (two brothers with each getting \$100)

Airless Wheels that Generate Electricity with Piezo Transducers \$100

Powering a Lightbulb with Orange Peels \$100

Common to each of these projects involved researching novel approaches to produce electricity and since electrical power is key to portable operation, we felt that these projects were award worthy.

This screenshot of some of the exhibitors in the Engineering Category will give you an idea of the wide range of interests.

ENG0706T	The Chromebook Protector
ENG0707T	A Green Metropolis
ENG0801T	Everyday Tidal Generators
ENG0802T	Powering a Lightbulb with Orange Peels MDARC Award: \$100
ENG0804T	Filtering Common Trash Through Machine Learning
ENG0805T	Maglev Trains: A Test Of Efficiency
ENG0806T	Wind Turbine Efficiency Based on Wind Direction
ENG0807T	Piezoelectric Energy Generation Through Walking MDARC Award: \$200 (\$100 for each team member)
ENG0808T	Automated Walking Stick
ENG0809T	Detecting Microplastics in Water: A Cheaper, Reusable Alternative
ENG0810T	Desalinating water using various greenhouse gases
ENG0811T	Sunshine Solutions: Innovating Desalination with Solar Power
ENG0912	Innovative AI/ML-powered IoT and Augmented Reality System for Toxic Gas Monitoring and
ENG0906	AI vs. Human Decision Making
ENG0907	Strength in Folds
ENG0908	California's Path to Carbon Neutrality: Energy, Climate Policy, and Wildfire Resilience
ENG0909	Pathfinder
ENG0910	Wonders of The Wind
ENG1001	Solar Scout: Precision spraying, Powered by the Sun
ENG1002	Airless Wheels that Generate Electricity with Piezo Transducers MDARC Award: \$100
ENG1003	Ease-MG: An Inexpensive and Portable Electromyography Device to Detect Muscle Dysfunction
ENG1004	Suction to Success: Improving the Vacuum Bell Device for Chest Wall Resection



Know what April means...or, at least used to mean? Yes, April was the month when MDARC held our annual auction. Remember those years? So, you might be asking ...as some of you have been asking... are we having an auction this year? The short answer is No. We have not held our auction for several years and you may be wondering why this is so. Let me offer some explanations:

COVID lockdown prevented holding our auction.

Post-COVID member reluctance to gather in a large group in a confined space met little interest.

Key members of the Auction team were no longer in the area and others did not have the enthusiasm to re-launch the Auction.

Preparing for and executing the Auction involved many members and required a lot of planning and effort.

Auction team members had to clean up and dispose of items that were left unsold and unclaimed by the owners.

The Auction proceeds to MDARC were extremely low compared to the effort involved to hold it.

So, at this point, the Board has decided not to hold an Auction again this year. Does that mean there will never be another MDARC Auction? An auction is possible if the Board sees membership enthusiasm to hold one. if you are interested, contact a Board member to express your interest AND indicate how you are willing to help because the “help” part will be key to moving forward.

Alternative:
Consider selling at a MDARC General Membership meeting. You can check out Guidelines for Equipment Selling at Club Meeting on the MDARC website at <https://www.mdarc.org/about-us/official-documents/equipment-selling>

How about?
Consider making equipment available for the raffle held at the General Membership meetings. This equipment would be advertised before the General Membership meeting and it would need to follow the same requirements as in Guidelines for Equipment Selling at Club Meeting . Here are the benefits:

- You financially help the Club because all raffle proceeds go to MDARC
- You make another Club member happy with “new” equipment to “play with”
- You can put to good use the equipment you are no longer using

Want to participate in these equipment raffles as a raffle ticket holder? There are a couple of ways you can do this. Of course, the preferred way would be for you to come to the meetings in person and purchase your tickets. There is also an alternative way you can participate is by asking somebody to serve as your proxy and have them purchase raffle tickets on your behalf.



Scammers have been active again! Recently, several Club members received bogus emails soliciting money. Because Club Officers are listed on our website, scammers use this information to craft sometimes fanciful and sometimes believable requests as to why scam recipients should send money. Sometimes they use my name as Club President to motivate you to send money for what appears to be a real cause or need. Sometimes they will reach out to you for purported emergency operational needs for the Club and recommend several payment methods you can use to help out. IGNORE ALL OF THESE REQUESTS! This is not how MDARC operates. If you are in doubt, contact me.

A sad note: John Lytle, KD6ZMP, a fellow ham and MDARC member has passed away and become a Silent Key.

73,

Larry Bradley, KK6QPE
April 8, 2025

PUBLIC SERVICE EVENTS

Berkeley Hills Road Race

Saturday, April 26, 2025

Bike ride in the East Bay Hills

Radio Coordinator: Mark Walsh,

KM6XU <mark@km6xu.com>

https://www.berkeleybike.org/?page_id=474

MARS - Ridge to Bridge Bike Ride

Saturday, April 26, 2025

Bike Ride in Marin County

See: Larry Loomer,

KI6LNB <laryloomer@yahoo.com>

<https://ridgetrail.org/ridge-to-bridge/>

MARS - Miwok 100k

Saturday, May 3, 2025

Running race in Marin

Radio Coordinator: Larry Loomer,

KI6LNB <laryloomer@yahoo.com>

<https://miwok100k.com>

SDARC - Delta Century Ride

Saturday, May 3, 2025

Bike Ride in Lodi

Radio Coordinator: <w6sf.147165@gmail.com>

<https://stocktonbikeclub.org/deltacentury/>

Devil Mountain Run

Sunday, May 4, 2025

Running race in Danville

Radio Coordinator: Larry Loomer,

KI6LNB <laryloomer@yahoo.com>

<https://devilmtnrun.com>

Hope Walk

Saturday, May 17, 2025

Walk at Heather Farms, WC, [map](#)

Radio Coordinator: Larry Loomer,

KI6LNB <laryloomer@yahoo.com>

<https://cancersupport.net/event/hope-walk/>

VOLUNTEERS NEEDED FOR ARRL FIELD DAY ACTIVITIES, JUNE 27 - 28 - 29, 2025

We will have a Field Day Planning Zoom meeting at 7:00 PM on Wednesday, April 23, 2025, a few days after the April Membership Meeting. Please attend to volunteer to help us plan our Field Day 2025, an important event on the MDARC Calendar.

Our club needs volunteers for the following positions at the W6CX Field Day Site, which will again be set up at Olympic High School, 2730 Salvio Street in Concord.

- 1. Persons to deliver, set up and dismantle the amateur radio equipment, tables and chairs**
- 2. Public information table and visitor logger**
- 3. Field Day Publicity** Ham volunteers to work on publicity. More ideas are needed.
- 4. Safety Officer** We have John Rio, N6RIO, volunteered. Thank you.
- 5. Public service antenna display**
- 6. Morse code telegraph key sending**
- 7. Operators to demonstrate HF radio communications from inside MDARC van**
- 8. Two operators for the "Get on the Air" (GOTA) station**
- 9. Digital Amateur Television (DATV) repeater operators to assist with DATV repeater demonstration in MDARC van**
- 10. Operators to demonstrate the solar charging system for the MDARC trailer battery**
- 11. Two Volunteer Examiners (VEs) to assist with license testing at 1pm on Saturday, June 28**
- 12. Multiple volunteers are needed to supervise the food being served for Friday dinner, Saturday (breakfast, lunch and barbecue dinner) and Sunday breakfast; a barbecue grill and a person to do the cooking is needed. Grill provided by Jim Tittle. Cook needed.**

The following activities are also planned:

Larry Loomer, KI6LNB, hosts a license testing session at 1PM; Available VEs please stand by

Larry Loomer, KI6LNB, will demonstrate a vehicle-mounted (mobile) solar power system

Volunteer needed to demonstrate digital radio communication

KI6LNB will demonstrate the MDARC trailer's auxiliary generator and a trailer person will demonstrate the trailer's features and capabilities.

Charles Henry, KG6PHZ, will demonstrate his solar panel array trailer, which will provide power to our club's 2024 Field Day activities.

To volunteer, please contact me at larylloomer@yahoo.com .

73,
Larry Loomer, KI6LNB Field Day Chair



PACIFICON Committee Looking for Co Chairs

Fellow MDARC members,

I am pleased to tell you that the PACIFICON chairs are already working hard on putting together another terrific event this coming October (Fri, October 10 - Sun, October 12, 2025). In order to carry out this mission there are a lot of people involved already, but we're "looking for a few good MDARC members" to step up and be a part of this great team. There are two specific opportunities available to support your club in the success of PACIFICON.

PACIFICON co-Chair - this role is to work side-by-side with the overall Chair of the PACIFICON event (Julie Mah, WJ8MAH) with the intent of becoming the Chair for PACIFICON 2026.

PACIFICON Registration co-Chair - this role is to work side-by-side with the PACIFICON Registration Chair (Jim Marchetti, KD7G) with the intent of becoming the Registration Chair for PACIFICON 2026.

These two current chairs are working towards ensuring that there is not a 'single point of failure' if a chair is not able to carry out their work, and to build a stable of folks who are familiar with the process and could help once they are trained. As a Co-chair you will learn the ropes, so to speak, in preparation for becoming the overall Chair or Registration Chair for PACIFICON 2026.

What are the benefits?

- You will get to hang out with Julie or Jim, who are both really cool people, and lots of fun
- As a chair for PACIFICON 2026, you will be able to stay on-site at the Marriott (paid for by PACIFICON/MDARC) for PACIFICON 2026 like the chairs do for each PACIFICON (trust me, it's really nice being able to simply walk over to the event space and not worry about driving in each morning at zero-dark-30)
- You will get to see what it really takes to run this event each year, have a hand in the success of PACIFICON 2025, and you will meet a lot of great folks who are involved (not just the chairs, but the many volunteers). And, as Registration co-chair you will get to meet a LOT of the attendees.

You don't even have to be a licensed ham, so there's nothing stopping you from being part of the biggest event that MDARC hosts - PACIFICON 2025 & 2026.

Please contact either (or both) of us about this tremendous opportunity.

Julie, juliemah4@yahoo.com

Jim, james@jamesmarchetti.com

On behalf of Julie, WJ8MAH, myself and the whole PACIFICON committee, thank you!

73,

~Jim Marchetti - KD7G
Registration Chair, PACIFICON 2025

FCC MESSAGE ABOUT AMATEUR RADIO LICENSE RETENTION

By Matthew G. Vurek, N4DLA

On April 1, 2025, the FCC sent the following message to all licensed amateur radio operators:

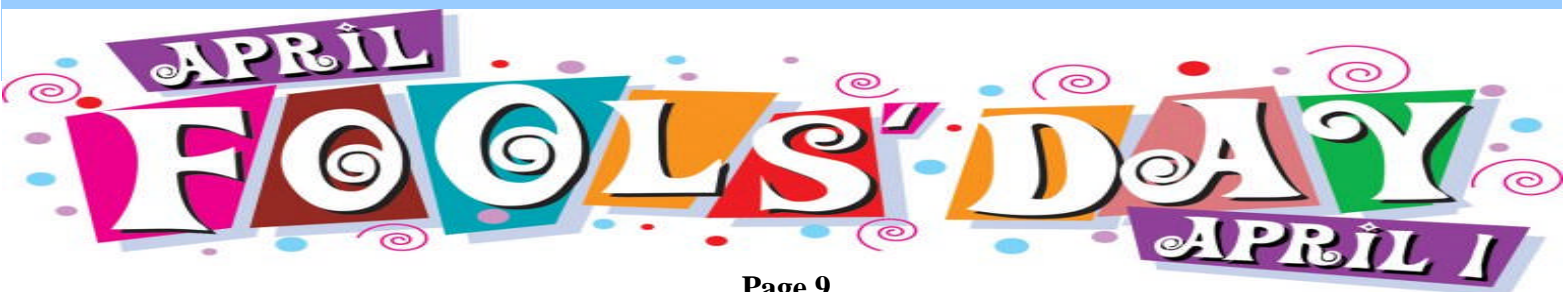
"As a duly-licensed amateur radio operator, you are hereby ordered to reply to this message and provide the FCC with a list of five accomplishments that involved your operations in the Amateur Radio Service during the past thirty days.

"Failure to reply to this message will result in the immediate termination of your operator and station licenses."

The FCC provided further instructions in an additional message.

"The previous message serves as a pulse check to determine the number of amateur radio operators who actual utilize the Amateur Radio Service in accordance with its rules and regulations. The FCC suspects a large number of the 700,000 licensed radio amateurs are dead, which is probably why they won't respond, and probably why the amateur radio allocations in the HF and VHF spectrum seem quiet. Why aren't those 700,000 licensees on the air? This should be a lot of signals over the airwaves. There are probably licensees who are not real people but rather fictional individuals who have somehow obtained licenses. If a licensee has a pulse and two neurons, they can reply to the message."

NARC, the National Amateur Radio Confederation, expressed support for the FCC's memorandum. "This is an excellent opportunity for amateur radio operators to engage with the FCC," NARC wrote. "Most hams only contact the FCC to renew or modify their licenses. In the past, licensees only heard from the FCC when they were caught violating the rules and regulations, but enforcement is rare these days. Now the FCC wants to know if we actually exist and utilize our spectrum. If licensees don't reply, the FCC may think we are all indolent and use that as an excuse to sell off our spectrum to the highest bidder. Unfortunately, due to a large liability that drained our treasury after a recent ransomware attack on our outdated IT system, NARC can't afford to bid on the spectrum should such an auction occur."



MDARC CAMPOUT June 6, 7, 8, 2025



Located at the Sugar Pine Dam Recreation Area in the Forbes Creek section at the Rocky Ridge group site. It is one of the most beautiful spots in Placer County. This will be a joint venture between our club and a another group of radio amateurs who have meeting for this annual event for over 50 years. We are limited to 50 people at this site so get your reservations in early.

At approximately 3,000 feet above sea level, the campground has water and restroom facilities, no hookups, but nice spaces for trailers, tents and motor homes. There are three large barbecue pits available at our site as well as a large recessed pit for a grand campfire. There are plenty of trees as well as open space for stringing a G5RV and a double extended Zepp for your HF station if it is your desire to bring one.

Call-in will be on the Mount Diablo W6CX (147.06 +600 100hz PL) repeater.

Friday

Between 12 noon and 1 PM, the forest ranger will arrive to unlock the gate for access to our site. The gate will remain open through out our stay. Also during this time and throughout the afternoon and the early evening the 145.43 repeater (PL 162.2hz), as well as the 146.745 -600 W6SAR Foresthill PL 156.7 will be monitored. If you are a a distance away from the campsite, the Mt. Diablo W6CX repeater will be available. When you arrive, park at any of the available spaces. There are plenty.

That evening, you are on your own for dinner. Use your Weber or the barbecue pits provided at the site.

A campfire and star party with telescopes will take place after dark.

Saturday

In the morning, you are on your own for breakfast after which, if you desire, join us for a hike to and around the lake. Weather pending, the view will be picture postcard as we make our way around. We will pass the swimming area and cross the dam as we make our way back to Rocky Ridge. The hike should take approximately 2 hours.

After arriving back at the campsite, you are on your own for lunch if you desire but most of us would probably settle for a tall cold one. Later on you can scrounge around for wood for the campfire that night. Around 4:30 the full socializing begins and the bar is open. Bring out the appetizers and munches which is part of the pot luck. Also during this time, the host supplied charcoal will be prepared and the barbecue pits will be lit. However, before dinner as an idea conceived by Fred Townsend AE6QL, we will have a champagne cork popping contest. To participate in this event, bring your own champagne ...**AND NO BOTTLES WITH SCREW-ON CAPS...**
CORK ONLY.

As for dinner that follows, the hot coals will be provided for cooking your choice of meat. Please bring out a side dish, salad, rolls for dinner and dessert to share.

After dinner, the camp fire will be started so bring your own marshmallows. The sticks will be provided by the campsite. Enjoy the fire as we sing, chat, or whatever you would like to do at this time. Plus we will have a real space odyssey star party with a few astronomical telescopes set up.

Sunday

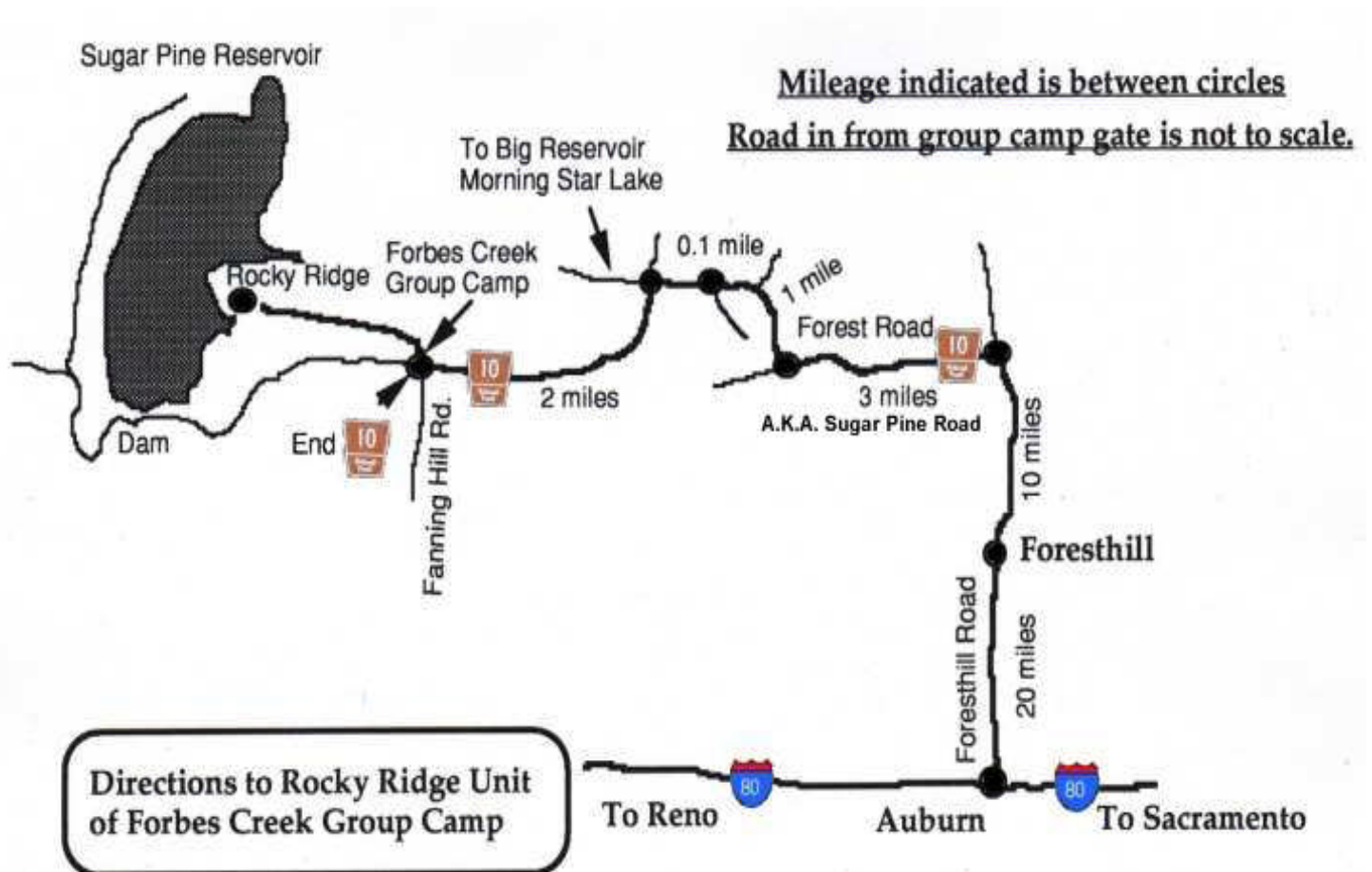
At approximately 8 am, preparation will be underway for the host provided barbecued pancakes. Supply your own beverages and sides and share if you like.

Looks Great...Now How Do We Get There??

From San Francisco, drive east on Interstate 80 through Auburn and exit at Foresthill. Head east on Foresthill Road crossing the mile long panoramic American River Bridge. Continue heading east for about 20 miles and you will reach the town of Foresthill. After passing through town continue east for another 10 miles and turn left at Sugar Pine Dam Road. There should be sign just before you reach the junction. Once you are on Sugar Pine Dam Road (Route 10), follow the road carefully, there are a few turnoffs that can possibly throw you off course. **If you have any questions while on Foresthill or Sugar Pine Dam road, you should be in simplex range. Monitor 146.49. The 145.43 (PL 162.2) Auburn repeater should also be available and it will be the primary talk-in to get you to the site.** In any case, stay on the blacktop. Eventually you approach a junction with the main road going slightly to the left and a road going slightly to the right with a gate which should be open for us. This is also the junction where route 10 ends as indicated by a sign even though the road continues. As you go past the gate, there is a sign posted there marking the reserved group campsites. Follow the signs for the Rocky Ridge site which will be reserved for us. The total drive time from San Francisco to the campground should be approximately 3 hours if you avoid the Bay Area and Sacramento rush hours.

In the late morning, it's cleanup time and we say our good-byes until next year.

RSVP. to Julie Mah, WJ8MAH juliemah4@yahoo.com



MDARC General Meeting Minutes February 21, 2025

Held as hybrid Zoom and in-person meeting

1. **Call to Order:** The meeting was called to order at 7:00 pm by MDARC president Larry Bradley KK6QPE.
 - a. Welcome to all: Larry KK6QPE welcomed all attendees.
 - b. Pledge of Allegiance: This was made by attendees.
 - c. Safety, Exits, Rest Rooms: Larry KK6QPE indicated the positions of the emergency exits and restrooms.
 - d. Acknowledge new members: New members were acknowledged.
 - e. Acknowledge visitors: Visitors were acknowledged.

2. **Approval of Minutes from the Last Meeting:** The minutes of the January meeting were approved without objection.

3. Officer Reports:

- a. President: Larry Bradley KK6QPE had no report.
- b. Vice President: Michael Papp WB6GJE had no report.
- c. Secretary: Brian KM6NGS had no report.
- d. Treasurer: Barbara Whysong K6WHY submitted the following report.

Balance Sheet	
March 31, 2025	
ASSETS	
Current Assets	
Checking/Savings	
Equipment Self-Ins Fund	21,856.62
MDARC Savings	72,260.56
MDARC Checking	55,279.01
Total Checking & Savings	149,396.19
Total Current Assets	149,396.19
TOTAL ASSETS	149,396.19
LIABILITIES	0.00
NET ASSETS	149,396.19
Increase/Decrease from prev month	-1,105.08

INCOME/EXPENSE YTD 2025			
	CREDIT	DEBIT	NET
MDARC	2,647.89	(1,042.00)	1,605.89
PACIFICON	0.00	(1,493.08)	(1,493.08)
TOTAL	2,647.89	(2,535.08)	112.81

CREDIT FEES YTD 2025			
	GROSS	FEES	NET
MDARC	2,310.00	(137.36)	2,172.64
PACIFICON	0.00	0.00	0.00
TOTAL	2,310.00	(137.36)	2,172.64

Monthly Report - MARCH 2025			
STATEMENT OF ACTIVITIES			
	MDARC	Pacificon	TOTAL
Credits			
Membership	\$2,591.38		\$2,591.38
Education	\$161.38		\$161.38
Other	\$649.75		\$649.75
Repeater Donations	\$110.00		\$110.00
Donations	\$79.52		\$79.52
Pacificon			\$0.00
Holiday Party			\$0.00
Total Credits	\$3,592.03	\$0.00	\$3,592.03
Debits			
Operations	\$2,843.63	\$1,658.48	\$4,502.11
Test Fees	\$195.00		\$195.00
			\$0.00
Total Debits	\$3,038.63	\$1,658.48	\$4,697.11
Change in Net Assets			-\$1,105.08
MDARC Income	PACIFICON Income	MDARC Expenses	Pacificon Expenses
Membership		EIP monthly fee	Google Workspace
Donations		Unwired monthly fee	Constant Contact
Ticket sales		Rodie's	Adv payments 2025 & 2026 (Hotel)
Interest/Dividends		Treasurer Expenses	Registration laptop
Education laptop		Education laptop	
		Van insurance	
		Meeting space	
		ARRL/VEC Test Fees	

e. Emergency Coordinator: Larry Loomer, KI6LNB had no report.

4. Directors at Large.

Directors at Large: Mike W6MEW was absent, Mark Fehlig WA6NGC noted that all of the repeaters are working well and thanked the technical people for that, Trevor WA6JAU and Cal K6VT had nothing to report.

5. Committee Reports – Standing:

a. Auction: Report not scheduled or unavailable.

b. Outreach Coordinator: Report not scheduled or unavailable.

c. Technical: Jim K6SOE reported that everything seems to be running well and that they are investigating a new phone service for South Peak.

d. Digital Media: Grant K6CBK said that he had made some updates to the website and that if anybody has any questions about errors or omissions, they should click on [Let us know with the url](#) at the bottom of any of the MDARC web pages to send him an email.

e. Education and Training: Larry KK6QPE stated that there is one more session left in the Technician course and license testing and two GOTA sessions will follow. After this, there will be a General class.

f. Pacificon: Report not scheduled or unavailable.

g. Membership: Jan KM6NFC, was absent but submitted his report by email.

MDARC Membership Report as of 02/19/2025, paying members (individual & primary): 150. All current members incl. family and additional: 184. New members this year: 3. Renewals last 30 days: 14. Past due (excluding family members): 162. Lifetime + Honorary members: 12.

h. Public Service: Larry KK6QPE announced the following public service opportunities; Livermore Half Marathon on March 2nd, MS Walk on March 30th in Walnut Creek, Diablo Trails Challenge on April 5th in Castle Rock Park, Cinderella Bike Ride in Livermore on April 5th, Berkley Hills Road Race on April 26th, Devil Mountain Run in Danville on May 4th and the Cancer Walk on May 17th in Walnut Creek. Pete Harris KE6ZIW added that details of the above events can be found on the Public Service page of the MDARC website.

i. Vehicle Committee MDARC-1: Report not scheduled or unavailable.

j. License Testing: Larry KK6QPE reported that they had done both paper and electronic testing. For paper testing, 2 people passed their Technician and 1 passed their technician and general tests. For electronic testing, 1 Technician, 1 General and 1 Extra passed their tests. The electronic tests were all done on the cell phones of the candidates. He added that there were no problems with either of the two methods. There will be license testing on the aircraft carrier USS Hornet in Alameda on March 1st and at the Clayton Valley Presbyterian Church on March 4th.

k. Trailer Committee: Report not scheduled or unavailable.

l. Field Day: Larry KI6LNB reported that the approval papers for the use of the parking lot at Olympic High School are now at the office of the vice principal for his or her approval and that the Porta Potties have been ordered.

m. Holiday Banquet: Report not scheduled or unavailable.

n. Election Committee: Report not scheduled or unavailable.

o. Program Committee: Ed KJ6KYT was not present.

6. Unfinished Business: a. None

7. New Business: a. None.

8. Good of the order:

Lauren Styles reported that John Lytle KD6ZMP is in the hospital in serious condition. Larry KK6QPE added that he had heard a report on the Thursday night Net, that Don Lucido W6BXE had become a Silent Key. He added that he will ask for a condolences card to be sent to Freda. Trevor WA6JAU reported that Mike Moran KD6CNS is in the hospital.

9. Adjourn Business meeting: The meeting was adjourned at 7:34 pm.

Respectfully submitted by:

Brian Lotter, KM6NGS

Secretary, on March 16, 2025.

MDARC Board of Directors Meeting March 3, 2025

Held at Zoom online

1. Call to Order: The meeting was called to order at 7:00 pm by Larry Bradley, KK6QPE after it was determined that there was a quorum for conducting Club business.

2. Roll Call: Attendees via Zoom screen shots: **Officers:** Larry Bradley KK6QPE, President; Mike Papp WB6GJE, Vice President; Brian Lotter KM6NGS, Secretary; Barbara Whysong, K6WHY, Treasurer; Larry Loomer KI6LNB, Emergency Coordinator; Mike Warren W6MEW, Director at Large; Mark Fehlig WA6NGC, Director at Large; Cal Vasquez K6VT, Director at Large. **Committee Chairs/Coordinator:** Grant Bowman K6CBK Digital Media; Jan Kulisek KM6NFC Membership Coordinator. **Guests:** Debbie KM6IXM; Charles K3CMK; Mike Patterson N6JGA.

3. Approval of Minutes from Last Meeting: Mike W6MEW seconded by Barbara K6WHY, proposed a motion to approve the minutes. The minutes of the February Board of Directors Meeting were unanimously approved.

4. Adopt Tonight's Agenda: The agenda was adopted since no objections were heard.

5. Officer reports:

a. President Larry Bradley KK6QPE – Had no report. b. Vice-President Mike Papp WB6GJE – Had no report. c. Secretary Brian Lotter KM6NGS – Had no report. d. Treasurer Barbara Whysong K6WHY – Barbara presented the following report:

Monthly Report -			
STATEMENT OF ACTIVITIES			
	MDARC	Pacificon	TOTAL
<u>Credits</u>			
Membership	\$890.52		
Education	\$13.40		
Other	\$6.13		
Repeater Donations	\$85.00		
Donations	\$15.00		
ESIF Dividend	220.64		
<u>Total Credits</u>	\$1,230.69	\$0.00	\$1,230.69
<u>Debits</u>			
Operations	\$2,070.00	\$88.30	\$2,158.30
Test Fees	\$105.00		\$105.00
<u>Total Debits</u>	\$2,175.00	\$88.30	\$2,263.30
Change in Net Assets	- \$1,032.61		
MDARC INCOME	PACIFICON INCOME	MDARC Expense	Pacificon Expenses
Membership		EIP monthly fee*	Google Workspace
Donations		Unwired monthly fee	Constant Contact*
Education		Rodie's	
Interest/Dividends		ARRL/VEC test fees	
		ARRL Liability Ins	
		LaRue payment	
*EIP monthly fee increased from \$500 to \$515/month			
*Constant Contact increased from \$55.00 - \$59.50/month			

Balance Sheet	
February 28, 2025	
ASSETS	
Current Assets	
Checking/Savings	
Equipment Self-Ins Fun	65,441.98
MDARC Savings	28,444.87
MDARC Checking	56,614.42
Total Checking & Savings	150,501.27
Total Current Assets	150,501.27
TOTAL ASSETS	150,501.27
LIABILITIES	
	0.00
NET ASSETS	150,501.27
Increase/Decrease from prev month	-1,032.61

INCOME/EXPENSE YTD 2025			
	CREDIT	DEBIT	NET
MDARC	3,878.58	(3,217.00)	661.58
PACIFICON	0.00	(1,581.38)	(1,581.38)
TOTAL	3,878.58	(4,798.38)	(919.80)
CREDIT FEES YTD 2025			
	GROSS	FEES	NET
MDARC	3,070.00	(173.44)	2,896.56
PACIFICON	0.00	0.00	0.00
TOTAL	3,070.00	(173.44)	2,896.56

Barbara added that the State Farm semiannual bill went up from \$298.52 to \$378.33. Constant Contact went up from \$55.00 to \$59.80. EIP went up from \$500.00 to \$515.00 and Square went up from \$0.10 to \$0.15 per transaction but the 2.6% is staying the same.

6. Emergency Coordinator Report: Larry KI6LNB had no report.

7. Directors at large reports:

Mike Warren W6MEW – Had no director’s report. Trevor Hall WA6JAU – Had no director’s report.

Mark Fehlig WA6NGC – remarked that the WinLink presentation, by John Trinterud, at the last General Meeting, was very good. He wanted to know if MDARC uses it. The answer was no, but some individuals do use it.

Cal Vasquez K6VT – Had no director’s report.

8. Committee Reports:

a. Auction: Vacant. No report was expected. b. Communications Trailer: Mike W6MEW had report.

c. Digital Media: Grant K6CBK had nothing to report.

f. Education and Training: Larry KK6QPE stated that the Technician class is finished and that license testing will be tomorrow (March 4th). Two GOTA classes will follow. Mike W6MEW thanked Grant K6CBK, John Rio N6RIO and Trevor WA6JAU for stepping up to do the Zoom work in his absence. Bruce KK6SQM was also commended for his diligent support with packing up.

g. Election Committee: No report was expected.

h. Field Day: Larry KI6LNB reported that it will take place at Olympic High School in Concord. He is not concerned about the fact that we don’t have final approval from the school yet.

i. Holiday Banquet: No report was expected.

j. License Testing: Larry KI6LNB reported that there will be license testing tomorrow night (March 4th) at the Clayton Valley Presbyterian Church and at the General Meeting on April 18th. The GOTA class on March 11 will be on Zoom only and the March 18 class will be in person.

k. Membership: Jan KM6NFC showed his membership report which had the following numbers, Paying Members 157, All current members including family and additional members 192, New members this year 3, Renewals over the last 30 days 18, Past due (excluding family members) 156, Lifetime + Honorary members 12.

l. Mesh Committee: Mike W6MEW had nothing to report.

m. Outreach: No report was expected. n. PACIFICON: No report was expected. o. Programs: There was no report.

p. Public Service: Larry KI6LNB reported the following activities; MS Walk

Sunday March 30, 2025 at Heather Farm in Walnut Creek; Diablo Trails Challenge - Running Race, Saturday April 5, 2025 from Castle Rock Park, Walnut Creek; Cinderella Bike Ride - in Livermore Saturday, April 5, 2025; Berkeley Hills Road Race, Saturday April 26, 2025.

q. Radio Lending Library: Cal K6VT had nothing to report. r. Rocky Ridge Repeater (Tech): There was no report.

s. Scholarship: No report was expected.

9. Future Meetings:

General Meeting: 03/21/2025 will be a hybrid, in-person and online. Board Meeting 04/07/2025 on Zoom only.

10. Unfinished Business:

10.1 Has the bank been notified of the 2025 signatories: Barbara K6WHY reported that, now that the February minutes have been approved, she can take a copy of the minutes to the bank so that the list of signatories can be updated.

10.2 Should we provide MDARC club name tags for new members, existing members, etc.: Larry KK6QPE proposed that some of the money under item 10.6 should be used to provide name tags for new members for the duration of 2025 only. It was decided that Larry KK6QPE will poll the entire membership to see how many people would like to receive an MDARC name badge. Once we know the numbers then we can decide it is feasible to do it.

10.3 Status report on the Membership database for processing and tracking payments, new payment gateway status: Jan KM6NFC reported that everything is going well.

(continued on following page)

10.4 Has the Donor webpage been updated? How can members indicate that they prefer to be anonymous? Barbara reported that she is working on this and will produce a report for the next Board Meeting.

10.5 Asset List: Inventory vs Asset? Dollar cutoff amount. STATUS REPORT: This item is still deferred to mid-2025.

10.6 \$3,500 anonymous donation to MDARC: what to use it for, etc. Propose Use: Barbara K6WHY reported that we still have \$535.00 left of the money that was set aside for paying test fees. Larry KI6LNB proposed that the \$5 fee for the GOTA classes be waived for students who did not attend the previous Technician class but still wish to attend. It was decided that, since we want to encourage all of our members to get on the air, the \$5 fee for GOTA classes should be removed from the website. Barbara K6WHY, seconded by Mike W6MEW proposed a motion to remove the \$5 fee for GOTA classes. The motion was approved unanimously.

10.7 Have we subscribed to ElectionBuddy to administer MDARC's annual election of officers? Barbara agreed that she should make the purchase but did not want to do that if it would result in her being the administrator. It was decided that Benjo will be asked for details at the license test session tomorrow night (March 4th).

10.8 Field Day---Olympic HS vs DVC? Larry KI6LNB has not discussed this with Lauren yet but since we are so far down the road with Olympic, Larry KK6QPE asked Larry KI6LNB to make contact with Lauren Styles to let him know.

10.9 Have the 5 tablets been purchased to support EXAM TOOLS for license testing? They have not been purchased yet and Larry KK6QPE asked Mike W6MEW to take care of it. This will be revisited next month.

11. New Business:

11.1 CCC Science and Engineering Fair Judging, 03/13/2025-03/15/2025: Larry KK6QPE noted that Janice Fujii has retired from this activity so he will contact Janice to find out the name of the new contact. Barbara responded to an email from Julie WJ8MAH which was forwarded to her by Larry KK6QPE about registration. Barbara ordered PACIFICON registration supplies last year due to delays in the registration process. She offered to do it again this year but has not heard back from Julie yet. She added that she does not wish to be co-chair. Some names of potential co-chairs were discussed and it was decided that this will be discussed again at next month's Board Meeting.

12. Good of the order: Nothing was heard.

13. Adjournment: Barbara K6WHY, seconded by Mike W6MEW, proposed a motion to adjourn. The motion was carried unanimously.

Meeting Adjourned at 8:01 pm.

Respectfully submitted by
Brian Lotter KM6NGS
Secretary, March 30, 2025.

These meeting minutes were signed digitally due to the digital meeting.

ANNUAL ARMED FORCES DAY CROSSBAND TEST 10 May 2025

The Department of Defense will host this year's Armed Forces Day (AFD) Crossband Test on May 10, 2025. This annual event is open to all licensed amateur radio operators. For more than 50 years, military and amateur stations have taken part in this event, which is an interoperability exercise between amateur radio and government radio stations.

The AFD Crossband Test is a unique opportunity to test two-way communications between military communicators and radio stations in the Amateur Radio Service (ARS), as authorized in Title 47 Code of Federal Regulations Part 97.111. These tests provide opportunities and challenges for radio operators to demonstrate individual technical skills in a tightly controlled exercise scenario that does not impact any public or private communications.

Military stations will transmit on selected military frequencies and will announce the specific ARS frequencies monitored for an ARS reply. **ARS must NOT transmit on the military frequencies!!** All times are Greenwich Mean Time (Z), and all frequencies are Upper Side Band (USB) unless otherwise noted. The frequencies used for the test will not impact any public or private communications and will not stray outside the confines of the exercise.

The following stations are available for two-way contacts with stations in the ARS during the scheduled times and on frequencies as listed below:

AAC / BARROW ARMY RESERVE CENTER, KY (USB + RTTY) 1100Z 10 May - 1100Z 11 May
4,011.1 kHz USB 5,346.5 kHz USB 6,968.5 kHz USB 13,963.5 kHz USB 17,457.5 kHz USB

AAN / U.S. NORTHERN COMMAND, CO
1300Z - 2000Z 6,970.5 kHz USB 14,550.5 kHz USB

AAZ / FT HUACHUCA, AZ
1500Z - 2359Z 7,645 kHz USB 14,438.5 kHz USB 18,211.0 kHz USB

ADB / CAMP FOSTER, OKINAWA
1500Z - 2359Z 14,487.0 kHz USB 20,994.0 kHz USB

AAM3D / DISA CYBERSPACE OPERATIONS DIRECTORATE, FT MEADE, MD
1400Z-2000Z 4,013.5 kHz USB 5,403.5 USB 7,431.5 USB

AFM4NPD / NAVAL SUPPORT ACTIVITY MID-SOUTH, MILLINGTON, TN
1200Z – 2200Z 4,575.0 kHz USB 7,540.0 kHz USB 13,993.0 kHz USB

AGA0WJ / NAS WHIDBEY ISLAND OAK HARBOR, WA
1600Z - 2300Z 5,403.5 kHz USB 7,431.5 kHz USB 13,528.5 kHz USB 18,272.5 kHz USB

AGA2SY / HANCOCK FIELD, NY
1200Z - 2000Z 7,473.5 kHz USB 15,807.0 kHz USB 19,955.0 kHz USB 20,740.0 kHz USB

AGA5SC / SCOTT AFB, IL
1600Z - 2300Z 5,186.0 kHz USB 7,938.0 kHz USB 14,832.0 kHz USB 27,736.0 kHz USB

AGA9TR / TRAVIS AFB, CA
1700Z - 2359Z 5,004.5 kHz USB 7,915.0 kHz USB 14,760.0 kHz USB 20,763.0 kHz USB
27,877.0 kHz USB

GRIFFIN ONE / 193rd RTI ARMY NATIONAL GUARD BETHANY BEACH, DE
1300Z – 1800Z 5,217.0 kHz USB 7,588.5 kHz USB 14,441.5 kHz USB 18,293.0 kHz USB

NAF / NEWPORT NAVAL RADIO STATION MUSEUM NEWPORT, RI (USB + CW) 1400Z - 2300Z
7,498.5 kHz USB 14,463.5 kHz USB

NBGC/ USS HORNET AMATEUR RADIO CLUB ALEMEDA, CA (USB + CW) 1400Z - 2359Z
7,935.0 kHz USB 14,375.0 kHz USB 21,886.0 kHz USB 27,860.0 kHz USB

NEMW / BATTLESHIP ALABAMA BB-60 MUSEUM SHIP, AL (USB + CW) 0000Z – 2359Z
4,043.5 kHz USB 7,882.5 kHz USB 14,441.5 kHz USB 18,211.0 kHz USB 20,997.0 kHz USB

NEPM / USS IOWA BB 61 LOS ANGELES, CA (USB + RTTY +CW) 1400Z - 2300Z
4,013.5 kHz USB 7,493.5 kHz USB 14,463.5 kHz USB 18,293.0 kHz USB 20,997.0 kHz USB

NEPP/ USCGC HEALY SEATTLE, WA (USB + RTTY) 1700Z – 2359Z
7,543.5 kHz USB 9,430.0 kHz USB 15,742.0 kHz USB 19,223.0 kHz USB

NIIW / USS MIDWAY CV-41 SAN DIEGO, CA 10May 0000Z - 11May 0400Z
4,010.0 kHz USB 5,399.5 kHz USB 7,390.5 kHz USB 14,476.0 kHz USB 18,060.0 kHz USB 20,973.5 kHz USB

NITG / SUBMARINE DRUM SS-228 MUSEUM SHIP, AL (USB + CW) 0000Z – 2359Z
4,445.0 kHz USB 7,718.5 kHz USB 14,512.5 kHz USB 18,272.5 kHz USB 20,973.5 kHz USB

NMC ONE / US COAST GUARD BASE ALAMEDA, CA (USB + RTTY) 1700Z - 2359Z
7,353.5 kHz USB 14,459.5 kHz USB 22,955.5 kHz USB

NSS / US NAVAL ACADEMY ANNAPOLIS, MD (USB + CW) 10May 1300Z – 11May 0200Z
4,038.5 kHz USB 5,330.5 kHz USB 7,533.5 kHz USB 9,944.0 kHz USB 14,487.0 kHz USB

NWKJ / USS YORKTOWN PATRIOTS POINT, SC 10May 1300Z – 11May 0100Z
4,027.0 kHz USB 7,421.0 kHz USB 14,438.5 kHz USB

NWVC / LST-325 EVANSVILLE, IN (USB + CW) 10May 2022Z – 11May 0300Z
3,325.0 kHz USB 6,913.0 kHz USB 9,988.5 kHz USB 13,974.0 kHz USB

WAR / PENTAGON WASHINGTON, DC (USB + CW + RTTY) 1200Z - 2400Z
4,018.0 kHz USB 5,357.0 kHz USB 7,305.0 kHz USB 14,383.5 kHz USB 20,997.0 kHz USB

An AFD message will be transmitted utilizing the Military Standard (MIL-STD) Serial PSK waveform (M110) followed by MIL-STD Wide Shift FSK (850 Hz RTTY) as described in MIL-STD 188-110A/B. Technical information regarding these waveforms is provided at:

<https://drive.google.com/drive/folders/1pYDj7kQbm-QAyY4RPtx0dOXKohjaEjq9?usp=sharing>

The AFD Sec Def Message will also be sent in Continuous Wave (CW) mode and radioteletype (RTTY) at 1400Z and 2000Z by the following stations:

AAC: MILSTD110/RTTY	13,963.5 kHz	AAZ: MILSTD110	4,438.5 kHz
ADB: MILSTD110	20,994.0 kHz	AGA0WJ MILSTD110/RTTY	13,528.5 kHz
NEPM: RTTY	13,483.5 kHz	NEPP RTTY	15,742.0 kHz
NIIW: MILSTD110/RTTY/CW	14,476.0 kHz	NWKJ MILSTD110	14,438.5 kHz
NWVC: CW	13,974.0 kHz	WAR: MILSTD110/RTTY/CW	14,383.5 kHz

For those who wish to document their contacts with a QSL card, go to:

<https://www.usarmymars.org/events> and complete the request form.

SATURDAY, May 3, 2025 - BENICIA, CA



AMATEUR RADIO LICENSE CLASS

Average 90% Pass Rate

Study Session followed by Exam



When: Saturday, May 3, 2025

8:30 AM - 5:00 PM

Test only: 1:00 PM \$14

**Where: Benicia Senior Center
1201 East 2nd Street, Benicia**

**What: Technician Class (beginner's level)
General Class Upgrade (for licensed Techs)**



Fees: \$35.00 includes exam fee - FCC \$35 Fee (not included)

Register: beniciaarc.com/hamclass

**Questions: HamRadioClass@BeniciaARC.com
or 707-742-3227 Voicemail or Text**



Class size is limited and fills quickly
Register and Pre-pay online for a guaranteed seat
No prep or prior study required

Reserve Your Space - Become a Ham in One Day!

**Prospective Hams: Plan on attending local Get-On-The-Air Classes (TBA)
after passing their test to become familiar with Amateur Radio operations**

Can't make the
upcoming class?

Capture the QR code
for future sessions



Extra Class Testing ONLY
Only pay the test fee of \$14.
Study materials for Element 4
not provided.



EXAM TOOLS
by Signal Stuff

Character illustration courtesy ICOM USA

INTERNATIONAL MARCONI DAY APRIL 26, 2025

International Marconi Day celebrates the immense role Guglielmo Marconi played in the invention of radio

LISTEN FOR SPECIAL EVENT STATIONS AROUND THE HF BANDS FROM 0000Z TO 2359Z



DIGITAL AMATEUR TELEVISION EQUIPMENT HALL OF SHAME



The depicted KOQIT K1 DVB-S2 “Free to Air” satellite receiver was purchased online from a U.S.-based vendor on April 7, 2021. On March 20, 2025, during the middle of our club’s DATV repeater net, the receiver emitted a loud “pop” and shut down. It would not turn back on.

Further examination revealed this receiver had apparently “self-destructed” (alias “bricked”) for unknown reasons.

Put this manufacturer on your “DO NOT BUY” list!

73, Matthew G. Vurek, N4DLA

18 APRIL WORLD AMATEUR RADIO DAY

اليوم العالمي لراديو الهواة

Día Mundial del Radioaficionado

Всемирный День радиолюбителя

世界业余无线电日

Journée mondiale de la radio amateur

Celebrating Amateur Radio's Contribution to Society



WWW.IARU.ORG/WORLD-AMATEUR-RADIO-DAY



ESTATE SALE

Astron VS-35M 2 to 15 volts 35 amp power supply \$160

Astron RS-35M 35 amp power supply \$180

Kenwood IF-232C computer interface \$20

Kenwood TS-2000 HF/VHF/UHF Transceiver \$800

Kenwood SP-23 external speaker for TS-450 \$100

Yaesu G-800DXA rotator controller only (no rotator) \$80

Diamond MX-72H HF-VHF/UHF Duplexer \$30

Vibroplex Keyer \$90

McElroy semi-automatic telegraph key \$150

Reasonable offers for any of the above considered. Contact:

Kim Leong, N6YJ, 925-575-1941 or n6yj.qth@gmail.com

Low-Cost Receivers for Digital Amateur Television Reception Available For Sale from Club Member KA3VDT

These are DVB-S2 receivers pre-programmed for our club's 1.2 GHz W6CX DATV repeater frequencies

Connect a 1.2 GHZ directional antenna, aim it at Mount Diablo's North Peak and watch the over the air repeater signal on your video monitor

Please contact Will Roberts at ka3vdt@gmail.com or visit

<http://laser66.com/ham/>

To purchase a DATV transmitter, contact Fred Coe, WB6ASU, at wb6asu@icloud.com

SAN RAMON VALLEY FIRE DISTRICT RECRUITING FOR VOLUNTEER COMMUNICATIONS RESERVES



Apply at <https://www.governmentjobs.com/careers/srvfire> Please direct any questions to SRVFD Human Resources at 925-838-6628.

Application deadline is Thursday May 1, 2025

ABOUT THE POSITION

Volunteer Communication Reserves are an important part of the District's operations. Their dedication and commitment to the District contribute the overall success and safety of the organization and staff by enhancing the communications and support functions in both times of emergency and on a routine basis. Volunteer Communication Reserves do not perform firefighting functions, or other functions that are normally performed by career District personnel.

Please note: Volunteer Communication Reserves must maintain a residence within the District, or within 30 minutes of District boundaries to be eligible.

The duties consist of, but are not limited to the following:

- Fire support duties as assigned, including rehabilitation duties during fire incidents
- Provide support during mutual aid response, including track resources.
- Assist with logistical Situation/Resource Status support
- Distribute and recover radio equipment (Cache radios and other equipment)
- Operate radio equipment at incidents
- Provide telephone and fax support at incidents and during emergencies
- Assist with the Mobile Command Post and Breathing Support Unit, including setup, operation, shutdown and rehabilitation (upon completion of training)
- Drive Communications Support and Breathing Support Units, including setup, startup and shutdown/rehabilitation (upon completion of the appropriate license, certification, and training requirements)
- Responsible for the inspection and care, including reporting maintenance issues through the appropriate channels, of the Mobile Communication and Breathing Support Units
- Assist in Community Events
- Other duties as assigned

**San Ramon's New Public Safety
Communications Vehicle !**





ORINDA OPEN HOUSE

MAY 3, 2025

11 AM - 1 PM

FIRE STATION 45
33 ORINDA WAY



Muscular
Dystrophy
Association



Valley of the Moon Amateur Radio Club

Presents

HAMFEST 2025

Saturday, April 26th,
8:00 AM to 12:00 Noon

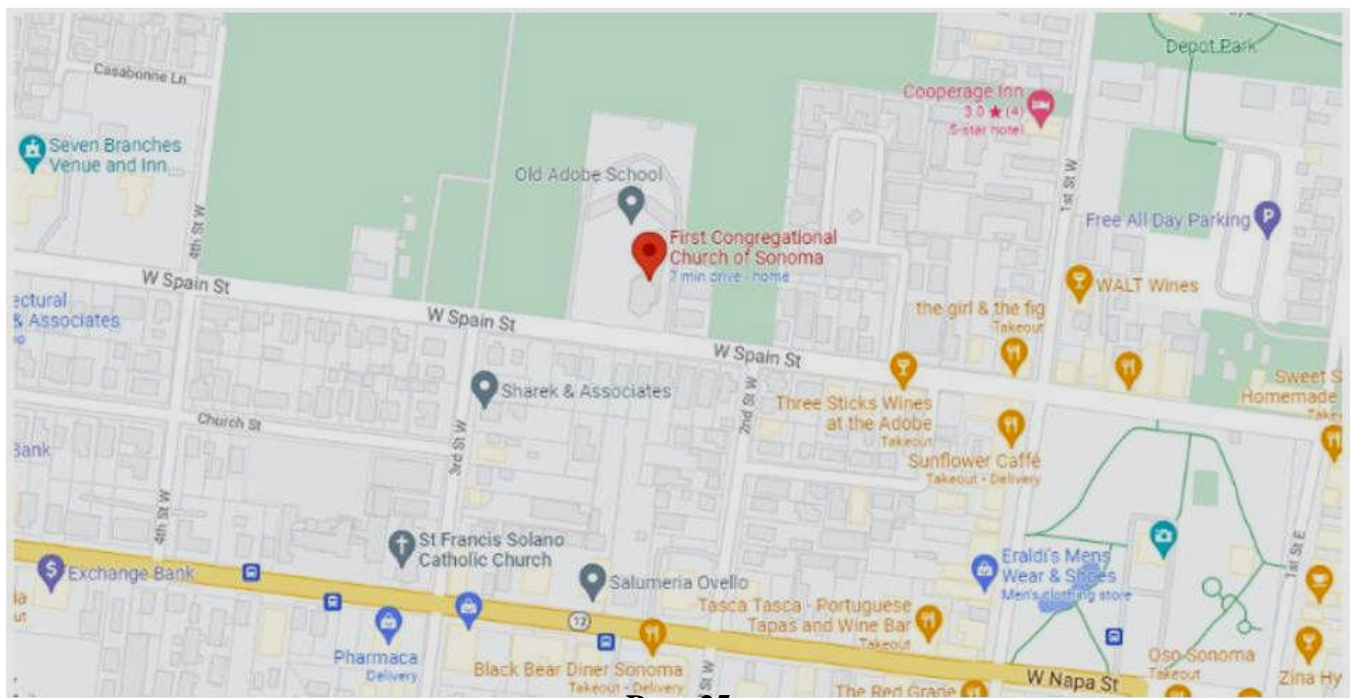
Featuring:

- Swap Meet (outdoor spaces)
- Breakfast (pancakes, sausage and eggs)
- VE Testing Session (advance registration required)
- Station Demos
- Fox Hunt
- And more!



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252 W Spain St, Sonoma
Talk in on 145.350 MHz (88.5 PL)
For info: valleyofthemoonarc@gmail.com

Admission: FREE
Breakfast: \$10.00
Swap spaces: \$10.00
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FTDX101MP | 200W HF/50MHz Transceiver

- Hybrid SDR Configuration • Unparalleled 70 dB Max. Attenuation VC-Tune • New Generation Scope Display 3DSS • ABI (Active Band Indicator) & MPVD (Multi-Purpose VFO Outer Dial) • PC Remote Control Software to Expand the Operating Range • Includes External Power With Matching Front Speaker



FTDX10 | HF/50MHz 100 W SDR Transceiver

- Narrow Band and Direct Sampling SDR • Down Conversion, 9MHz IF Roofing Filters Produce Excellent Shape Factor • 5" Full-Color Touch Panel w/3D Spectrum Stream • High Speed Auto Antenna Tuner • Microphone Amplifier w/3-Stage Parametric Equalizer • Remote Operation w/optional LAN Unit (SCU-LAN10)



FT-991A | HF/VHF/UHF All Mode Transceiver

- Real-time Spectrum Scope with Automatic Scope Control • Multi-color waterfall display • State of the art 32-bit Digital Signal Processing System • 3kHz Roofing Filter for enhanced performance • 3.5 Inch Full Color TFT USB Capable • Internal Automatic Antenna Tuner • High Accuracy TCXO



FTDX101D | HF + 6M Transceiver

- Narrow Band SDR & Direct Sampling SDR • Crystal Roofing Filters Phenomenal Multi-Signal Receiving Characteristics • Unparalleled -70dB Maximum Attenuation VC-Tune • 15 Separate (HAM 10 + GEN 5) Powerful Band Pass Filters • New Generation Scope Displays 3-Dimensional Spectrum Stream



FT-710 Field version also available!

FT-710 Aess | HF/50MHz 100W SDR Transceiver

- Unmatched SDR Receiving Performance • Band Pass Filters Dedicated for the Amateur Bands • High Res 4.3-inch TFT Color Touch Display • AESS: Acoustic Enhanced Speaker System with SP-40 For High-Fidelity Audio • Built-in High Speed Auto Antenna Tuner



FT-891 | HF+50 MHz All Mode Mobile Transceiver

- Stable 100 Watt Output • 32-Bit IF DSP • Large Dot Matrix LCD Display with Quick Spectrum Scope • USB Port Allows Connection to a PC with a Single Cable • CAT Control, PTT/RTTY Control



FT-3185RASP | Heavy-Duty 85W 2M FM Transceiver

- Massive Heatsink Ensures Reliable 85W RF Power • Super-DX Function Increases Receiver Sensitivity & Weak Signal Reception • 221 Memory Channels • Large 6-Character Alpha-Numeric Display



FTM-150RASP | 2M/430MHz FM True Dual Band Xcvr

- Dual Receivers Allowing (V+V, U+U, V+U, U+V) Operation • 55W VHF & 50W UHF • Heavy Duty Heat Sink w/Funnel Air Convection Conductor • Front & Main Body Speaker for 6W High Quality Audio



FTM-510DRASP C4FM/FM 144/430MHz Dual Band Xcvr

- New Super-DX & ASP (Audio Digital Signal Processor Unit) • True Dual Bank Receive (V+V/U+U+V/U+V) • C4FM/C4FM Digital D-D Dual Receive • 2.4" High-Res Full-Color Touch-Panel Display • Wireless Operation Capability with Optional Bluetooth® Headset



FT-60R | VHF/UHF Rugged Dual Band

- Over 1000 Memory Channels • Wide Bank Receiver Coverage • High Power Output: 5 Watts • Huge LCD Display • NOAA Severe Weather Alert with Alert Scan



FT-70DR C4FM/FM 144/430MHz Xcvr

- System Fusion Compatible • Large Front Speaker delivers 700 mW of Loud Audio Output • Automatic Mode Select detects C4FM or Fm Analog and Switches Accordingly • Huge 1,105 Channel Memory Capacity • External DC Jack for DC Supply and Battery Charging



FT-5DR C4FM/FM 144/430 MHz Dual Band

- High-Res Full-Color Touch Screen TFT LCD Display • Easy Hands-Free Operation w/Built-In Bluetooth® Unit • Built-In High Precision GPS Antenna • 1200/9600bps APRS Data Communications • Supports Simultaneous C4FM Digital • Micro SD Card Slot



FT-65R | 144/430 MHz Transceiver

- Compact Commercial Grade Rugged Design • Large Front Speaker Delivers 1W of Powerful Clear Audio • 5 Watts of Reliable RF Power Within a compact Body • 3.5-Hour Rapid Charger Included • Large White LED Flashlight, Alarm and Quick Home Channel Access



VX-6R | VHF/UHF Dual Band Hand-Held

- Big-Radio Features in a Compact Package • Wide-band Receiver Coverage for Catching All the Action! • 900-Channel, 24-Banks Memory System • Outdoor-Ready Features including Waterproof Rating • Smart Search Automatic 31-Channel Scanning/Loading System



5 Ways to Shop!

• RETAIL LOCATIONS – Store hours 10:00AM - 5:30PM - Closed Sunday

• PHONE – Toll-free phone hours 9:30AM - 5:30PM

• ONLINE – WWW.HAMRADIO.COM

• FAX – All store locations

• MAIL – All store locations

YAESU
The radio

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(800) 854-6046

PORTLAND, OR
(800) 765-4267

PHOENIX, AZ
(800) 559-7388

MILWAUKEE, WI
(800) 558-0411

WOODBIDGE, VA
(800) 444-4799

WINTER SPRINGS, FL
(800) 327-1917

SACRAMENTO, CA
(877) 892-1745

DENVER, CO
(800) 444-9476

PLANO, TX
(877) 455-8750

NEW CASTLE, DE
(800) 644-4476

SALEM, NH
(800) 444-0047

ATLANTA, GA
(800) 444-7927

*On most orders over \$100 in the continental US. (Rural locations excluded.) Contact HRO for promotion details. Toll-free including Hawaii, Alaska and Canada. All HRO 800-lines can assist you. If the first line you call is busy, you may call another. Prices, specifications and descriptions subject to change without notice.



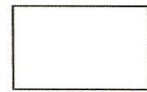
The Carrier

Newsletter of the Mt. Diablo Amateur Radio Club

P.O. Box 23222

Pleasant Hill, CA 94523

www.mdarc.org



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APRIL



HAM RADIO OPEN HOUSE

World Amateur Radio Day 2025

arrl.org/world-amateur-radio-day



FIRST CLASS

<https://www.facebook.com/mdarc.org>

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W6CX Nets

M-F 5:42 am Morning Muster 147.060+ 224.780- 441.325+

M-F 6:10am Commuter Net 147.060+ 224.780- 441.325+

Monday 8:00 pm SATERN Net 147.060+

Tuesday 7:30 pm Fat City 10 meter USB/CW Net 28.420 MHz

Tuesday 8:00pm Digital Practice Net 147.060+ 224.78- 441.325+

Wednesday 6:00pm American Legion Veteran's Net 147.060+

Wednesday 7:00 pm SKYWARN Net 147.060+

Wednesday 8:00pm Delta Amateur Radio Club Net 147.060+

Thursday 7:30 pm MDARC Club Net 147.060+

Thursday 8:00 pm Digital Amateur Television Net 147.060+

Club Voice Repeaters

147.060 MHz + / PL 100Hz

224.780 MHz - / PL 77Hz 441.325 MHz + / PL 100Hz

EchoLink: W6CX-R /133896, IRLP: 3057

DMR Repeater 144.925 offset plus 2.5 MHz color code 1

D-STAR 145.000 offset plus 2.5 MHz

<https://w6cx.dstargateway.org/>

DATV Internet Stream: <http://w6cxatv.mdarc.org>

YouTube Channel: Media MDARC

Contra Costa County Emergency Communications Nets Every Thursday

6:30 pm HF Countywide 3.893 MHz LSB

6:45 pm West County 145.110-- (82.5 PL)

7:00 pm Central County 145.680 Simplex

7:00 pm East County 146.535 Simplex

7:00 pm South County 147.480 Simplex

7:20 pm Countywide 145.490-- (107.2 PL)

or 147.735-- (107.2 PL)

or 145.410-- (107.2 PL)

Concord Auxiliary Radio Emergency Service (CARES)

Wednesday 8:00pm 147.405 Simplex

Digital Amateur Television Repeater

Digital ATV Output: 1244.500

Digital ATV Inputs: 1292.500, 1273.0, 917.0, 430.0

Analog ATV Input: 1270.000 FM (PL 192.8)

April and May 2025 Club Calendar

Friday April 18, 2025	7:00pm	MDARC General Meeting - Our Saviors Lutheran Church, 1035 Carol Lane, Lafayette
Saturday May 3, 2025	8:00am	MDARC Technical Committee Meeting - VIA VIDEO CONFERENCE
Monday May 5, 2025	6:30pm	MDARC Board of Directors Meeting - VIA VIDEO CONFERENCE
Friday May 16, 2025	7:00pm	MDARC General Meeting - Our Saviors Lutheran Church, 1035 Carol Lane, Lafayette